

nated by claws. The author distinguishes two principal varieties of the adult animal; the one remarkable for the great length of the abdomen and roundness of the caudal extremity; whilst the other is characterized by greater compactness of form, a shorter abdomen, and more pointed tail. The first variety was found to measure, in length, from the one-100th to the 45th, and the second, from the one-160th to the 109th part of an inch.

The author gives a minute description of the ova of these entozoa, which he follows in the successive stages of their development. The paper is accompanied by numerous drawings of the objects described.

2. "On Factorial Expressions, and the Summation of Algebraic Series." By W. Tate, Esq. Communicated by the Rev. Henry Moseley, M.A., F.R.S., &c.

This paper, which is wholly analytical, contains an investigation of certain general methods for the summation of algebraic series, which have led the author to the discovery of some curious and elegant propositions relative to factorials and the decomposition of fractions; and also to a new demonstration of Taylor's theorem.

3. "Notice of the Comet;" in a Letter from Captain John Grover, F.R.S., addressed to P. M. Roget, M.D., Sec. R.S., and dated from Pisa, March 21st, 1843.

The author states that at Pisa, on Friday, the 17th of March, 1843, at eight o'clock in the evening, he saw a luminous arc in the heavens, extending from a spot about a degree to the south of Rigel to some clouds which bounded the western horizon. It was about 40 minutes in width; the edges sharply and clearly defined. On the 20th of March, the author could distinctly trace the extremity of the luminous streak, which he concluded was the tail of a comet, below the lower part of the constellation Orion, and reaching to the star  $\eta$  Eridani; while the stars  $\delta$  and  $\epsilon$  Eridani were distinctly seen with the naked eye through the coma. From  $\eta$  Eridani, it extended  $47^{\circ} 30'$  to a spot nearly equidistant from  $\chi$  Orionis and  $\eta$  Leporis.

4. "Variation de la Déclinaison et Intensité Horizontales Magnétiques observées à Milan pendant vingt-quatre heures consécutives le 18 et 19 Janvier, et le 20 et 25 Février 1843." Par C. Carlini, For. Mem. R.S.

5. A paper was also in part read, entitled "On the general and minute Structure of the Spleen in Man and other Animals." By William Julian Evans, M.D. Communicated by P. M. Roget, M.D., Sec. R.S.

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